

IAIN DEWSON, PARTNER, THE FINANCE BUSINESS PARTNER

DATA VISUALIZATION

This presentation has been prepared for the 2023 Caribbean Actuarial Association (CAA) Conference.

The CAA wishes it to be understood that opinions put forward herein are not necessarily those of the CAA and the CAA takes no responsibility for those opinions.





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DATA VISUALIZATION IS NOT ABOUT FANCY VISUALS...





INTERESTING

INFORMATIVE

HOW MIGHT YOU DESCRIBE YOUR ACTUARIAL REPORTS? DATA NUMBERS





BUSY



COMPLICATED

HOW MIGHT YOUR NON-ACTUARIAL AUDIENCE DESCRIBE YOUR LOTS OF TABLES LOTS OF CHARTS

HARD TO USE



SIMPLE





ACTION ORIENTED



HOW MIGHT YOU LIKE YOUR REPORTS TO BE DESCRIBED IN FUTURE?



EASY TO UNDERSTAND







SO WHAT CAN WE DO ABOUT IT?





LET'S START WITH A TYPICAL ACTUARIAL REPORT OR PRESENTATION...













Overall Funding	2023	2021	Var	Var
Position	\$M	\$M	\$M	%
Actives	1,786.40	1,698.70	87.70	5.2%
Deferreds	562.90	505.50	57.40	11.4%
Pensioners	1,362.20	1,446.40	(84.20)	-5.8%
	3,711.50	3,650.60	60.90	1.7%
Assets	3,645.10	3,347.70	297.40	8.9%
Surplus/(Deficit)	(66.40)	(302.90)	236.50	78.1%
Funding Level	98.2%	91.7%		
Primary contribution rate	17.2%	16.5%		
Secondary contribution rate	1.7%	1.7%		
Total contribution rate	18.9%	18.2%		





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- The ongoing orphaned funding target for admission bodies.
- The main factor worsening the funding position is the change in financial assumptions due to a fall in discount rate relative to inflation.





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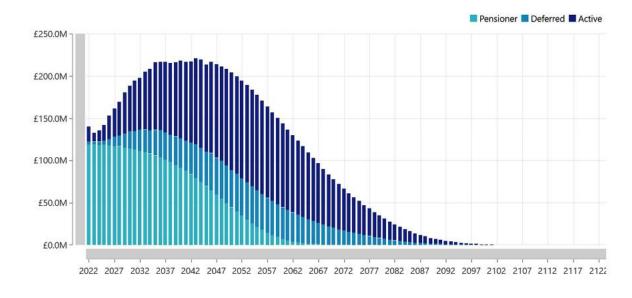
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Cashflows



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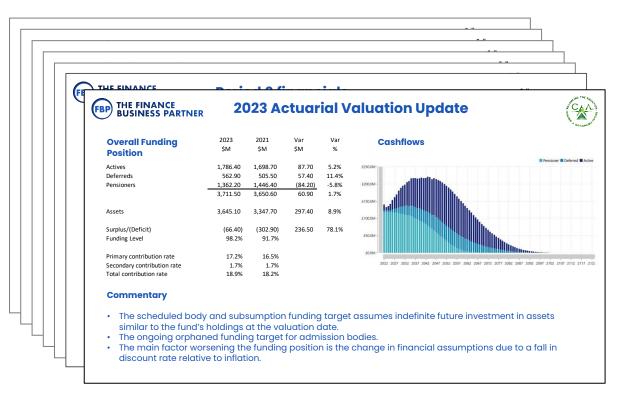


"Err... I have a question..."

"Huh?"







GREAT FOR...

REFERENCE

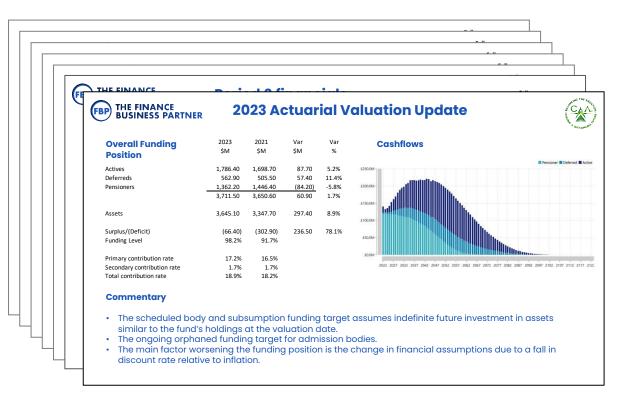
CONTROLS

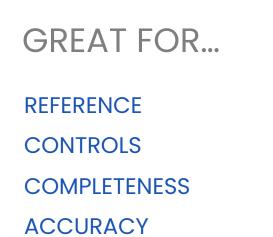
COMPLETENESS

ACCURACY







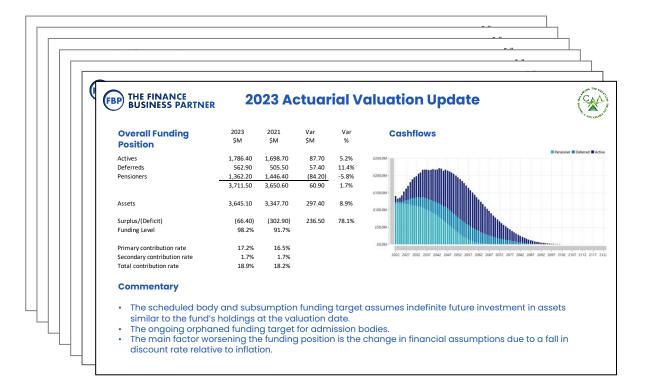




COMMUNICATING KEY MESSAGES ENGAGING YOUR AUDIENCE INFLUENCING DECISIONS



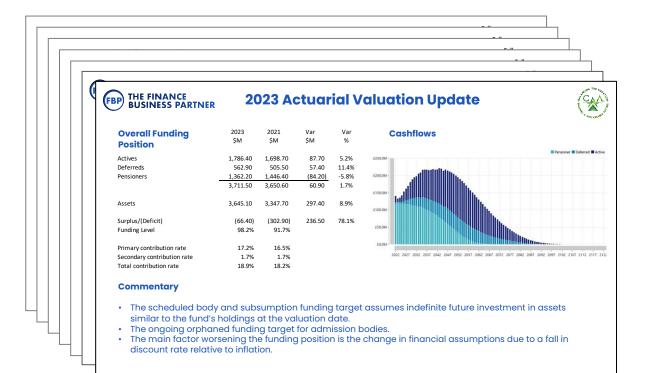




WHO DECIDES WHAT THE KEY MESSAGES ARE?







WHO DECIDES WHAT THE KEY MESSAGES ARE?

NOT YOU





What can we do about it?





THE FIRST TOOL FOR VISUALIZING DATA

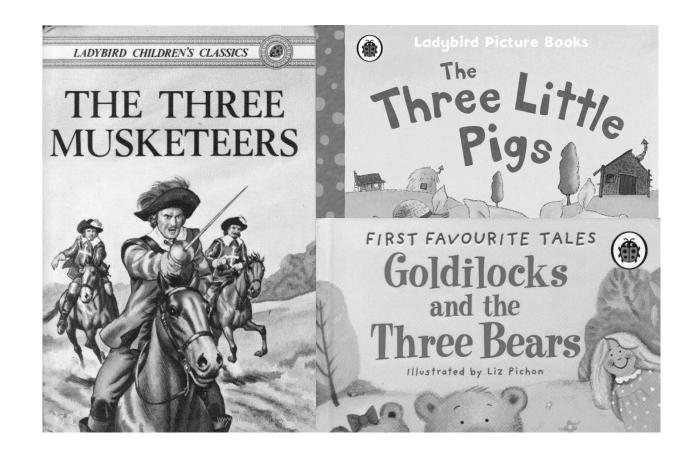














































Yes We Can!



Obama





Yes We Can!



Bob the Builder





Get Brexit Done



Johnson











Justice, goodwill, brotherhood



Martin Luther King





I came, I saw, I conquered



Julius Caesar





iPad 2

Thinner. Lighter. Faster.









THE **SECOND** TOOL FOR DATA VIZUALIZATION















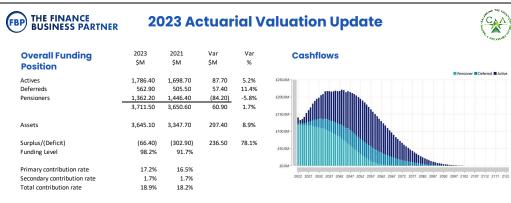








TOO DETAILED



Commentary

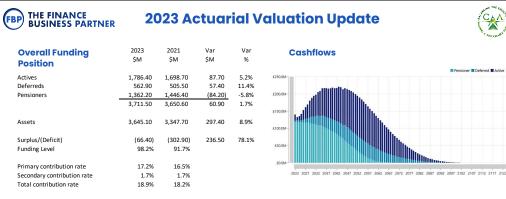
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TOO HIGH-LEVEL

TOO DETAILED



Commentary

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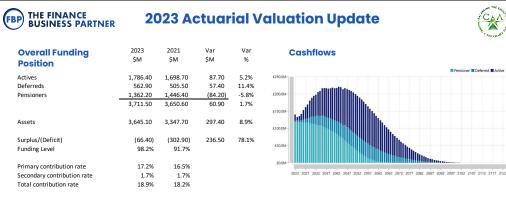
JUST RIGHT





TOO HIGH-LEVEL

TOO DETAILED



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1Q at a glance

The key numbers from our first quarter 2022 results

For the latest updates on projects and progress, see this quarter's highlights from bp

Results at a glance

\$20.4bn

reported loss

\$6.2bn

underlying replacement cost profit



operating cash flow including \$4.1bn working capital build¹

(1) Adjusted for inventory holding gains and fair value accounting effects



net debt

5.46 cents

per ordinary share dividend for 1Q22

\$2.5bn

share buyback to be executed prior to announcing 2Q22 results



Q1 2022 Results



Group income	Group return on tangible equity (RoTE)	Group profit before tax (PBT)
£6.5bn	11.5%	£2.2bn
Common equity tier 1 (CET1) ratio	Cost: income ratio	Earnings per share
13.8%	63%	8.4 p

All figures include litigation and conduct



THE EQUATION OF THE EQUATION O

Fit for growth



Our comprehensive cost efficiency programme

"Fit for Growth" is a comprehensive cost efficiency programme designed to drive operating leverage and margin expansion across the Group.

Impact over three years

80%

of procurement centralised

€340m

saved through network design standardisation



Group support function savings through zero based budgeting





AstraZeneca



Product Sales

Changes at constant exchange rates

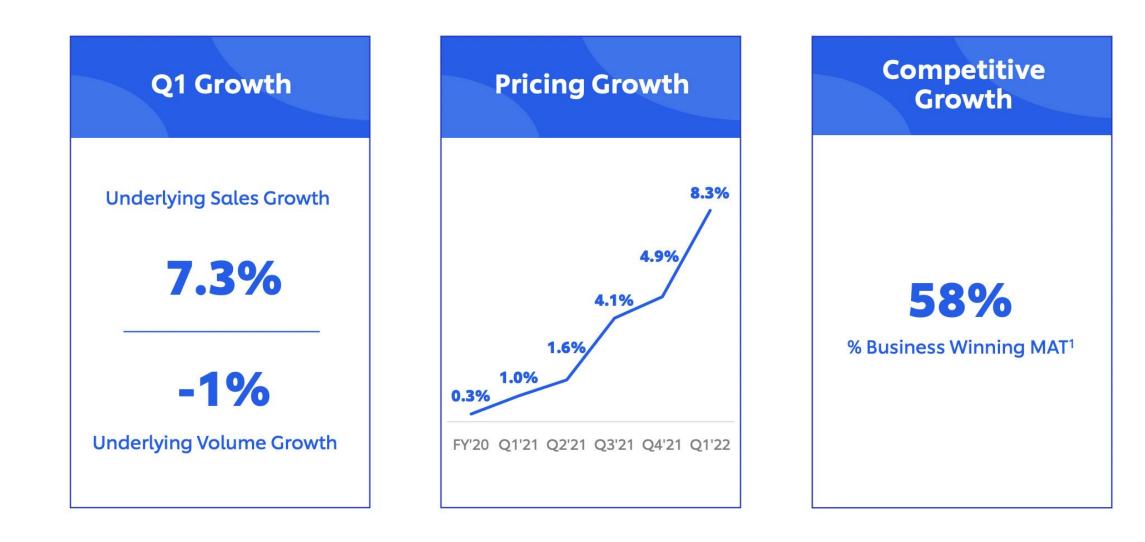
Core Earnings per Share

Changes at constant exchange rates

2021		\$36.5bn	+38%	2021		\$5.29	+37%
2020	\$25.89	on	+11%	2020	\$4.02	2	+18%
2019	\$23.6bn		+15%	2019	\$3.50		-%







¹Moving Annual Total / Last 52 weeks







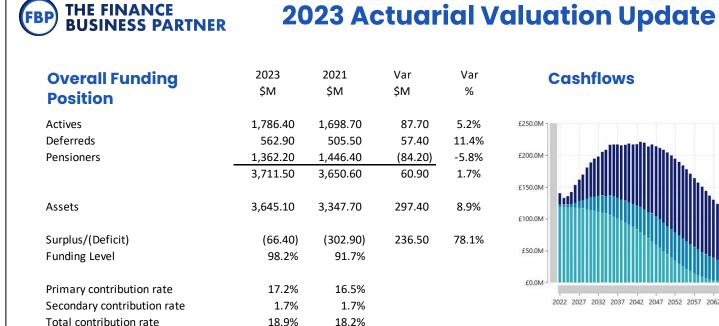


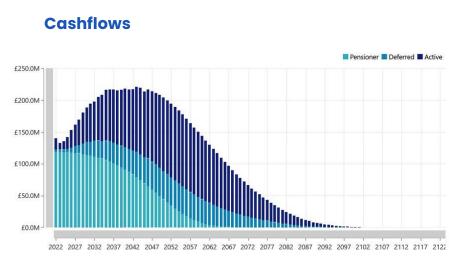




How would I present this?







Commentary

THE FINANCE BUSINESS PARTNER

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THE THIRD TOOL FOR DATA VISUALIZATION





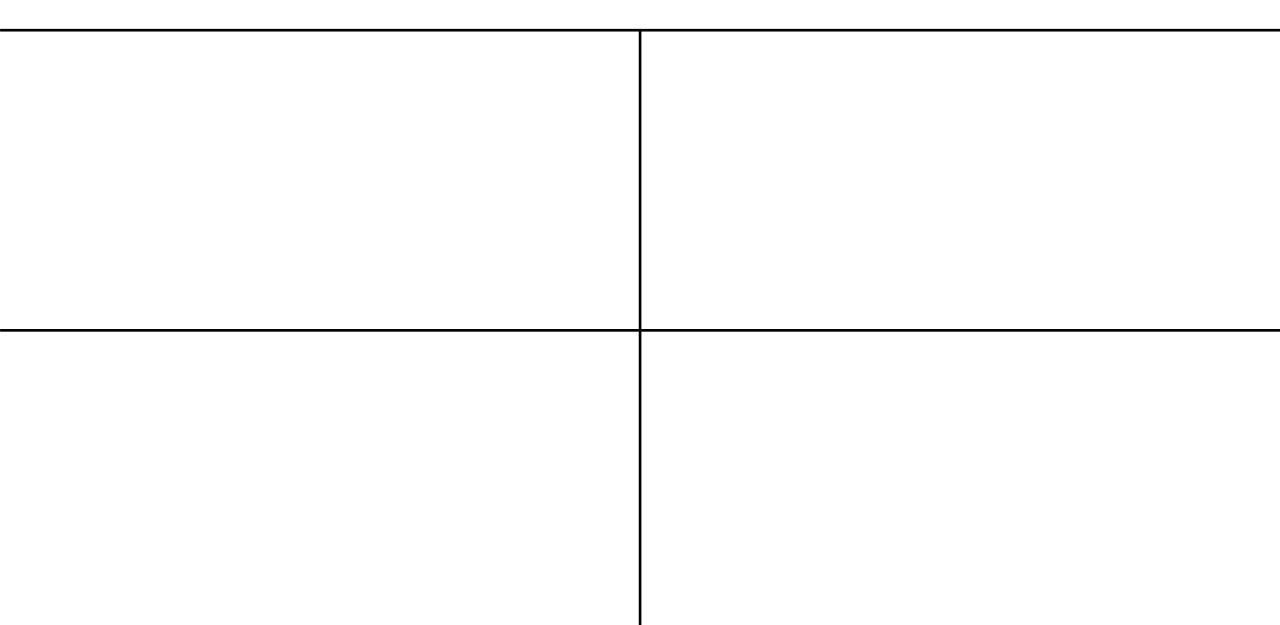
THE POWER DASHBOARD





FBP THE FINANCE BUSINESS PARTNER HOW CAN WE CONTINUE TO FUND OUR PENSION LIABILITIES?









+\$237M DEFICIT IMPROVEMEN
2021 -\$303M 2023 -\$66M Due to increase in value of assets under management

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+\$237M DEFICIT IMPROVEMENT

2021 - \$303M 2023 - \$66M Due to increase in value of **assets under management**

+\$297M VALUE OF ASSETS

2021 \$3.3BN 2023 \$3.6BN Due to new **transfer of new portfolio** THE FINANCE BUSINESS PARTNER HOW CAN WE CONTINUE TO FUND OUR PENSION LIABILITIES?



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98.2% **FUNDING LEVEL**

2021 91.7%

Due to increase in value of assets under management and contributions.

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FUNDING LEVEL

2021 91.7%

Due to increase in value of **assets** under management and **contributions**.

QUESTIONS

How can we turn the deficit into a surplus?

How can we continue to increase the asset valuation?

Could we achieve 100% funding level?







THE RULE OF 3







THE RULE OF 3

AND



THE SIMPLE TEXT TECHNIQUE



SIMPLE





ACTION ORIENTED



AND GET REPORTS DESCRIBED LIKE THIS...



EASY TO UNDERSTAND





QUESTIONS?



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